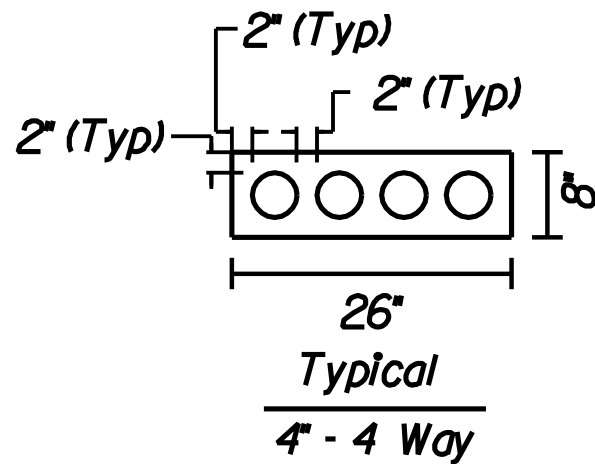


SURVEYED BY _____
SUPERVISED BY _____
DESIGNED BY _____

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

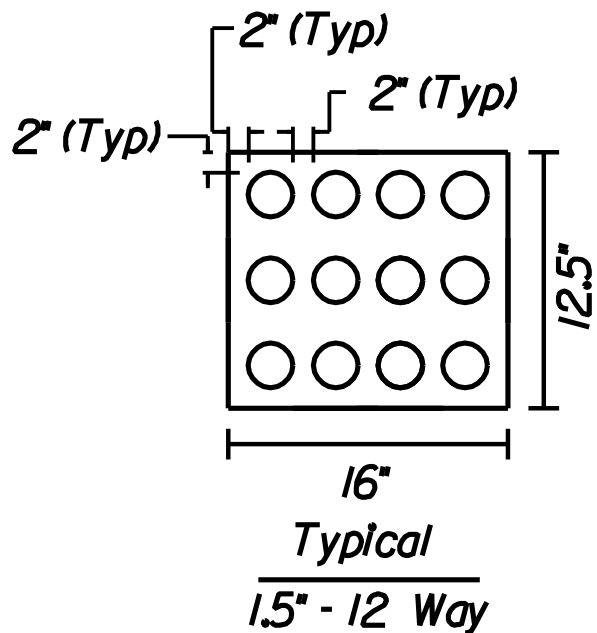
REVISED	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
NEW 7/17/08	VA.		7		20(2)

IN PROGRESS 09/26/08
NOT FOR CONSTRUCTION



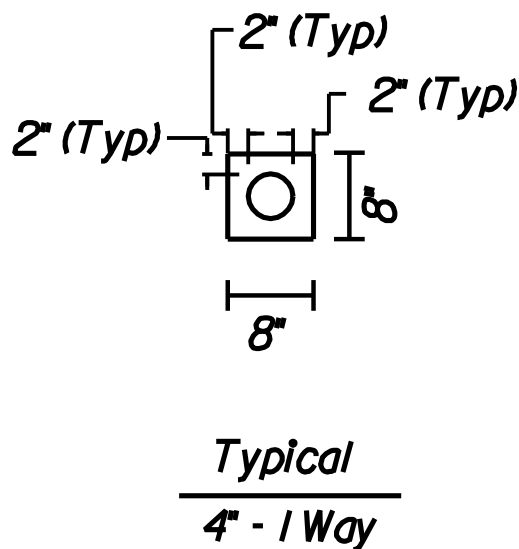
TYPICAL CROSS SECTIONS (N.T.S)

VERIZON CONCRETE ENCASED PVC CONDUIT



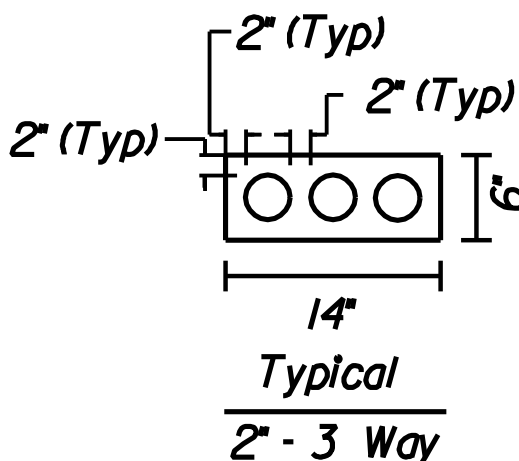
TYPICAL CROSS SECTIONS (N.T.S)

WOODLAWN CONCRETE ENCASED PVC CONDUIT



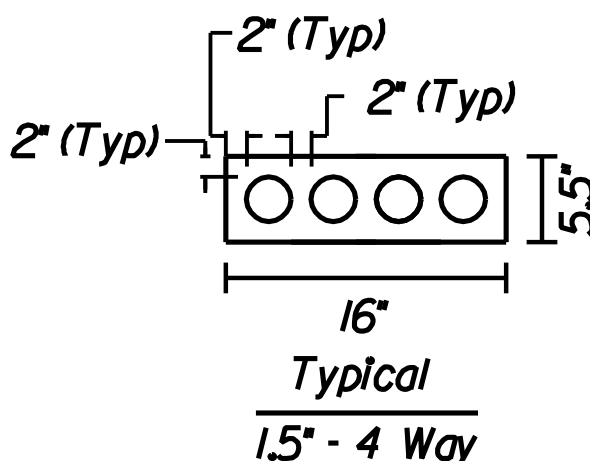
TYPICAL CROSS SECTIONS (N.T.S)

RGC/ YIPES CONCRETE ENCASED PVC CONDUIT



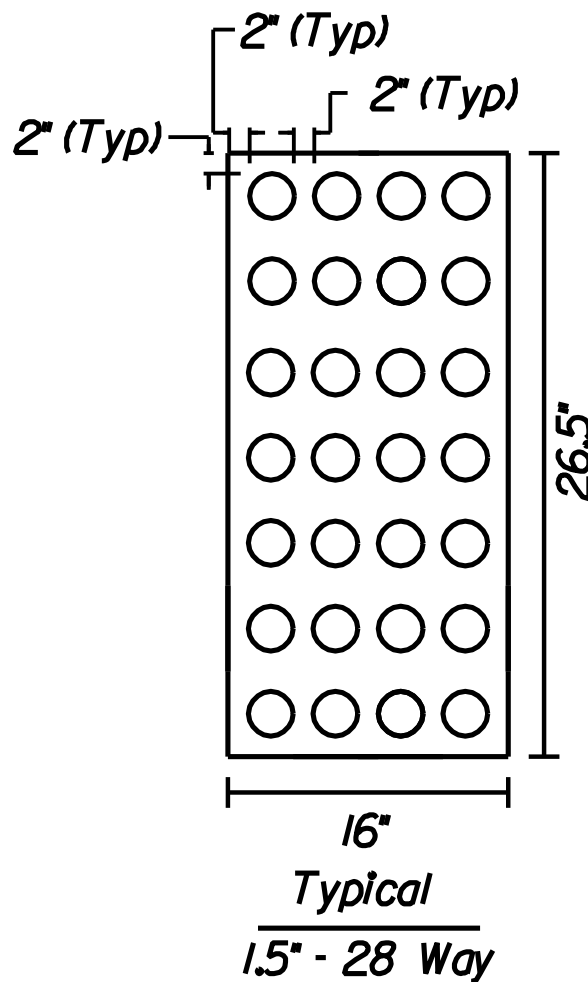
TYPICAL CROSS SECTIONS (N.T.S)

MCI/VERIZON BUSINESS CONCRETE ENCASED PVC CONDUIT



TYPICAL CROSS SECTIONS (N.T.S)

XO CONCRETE ENCASED PVC CONDUIT

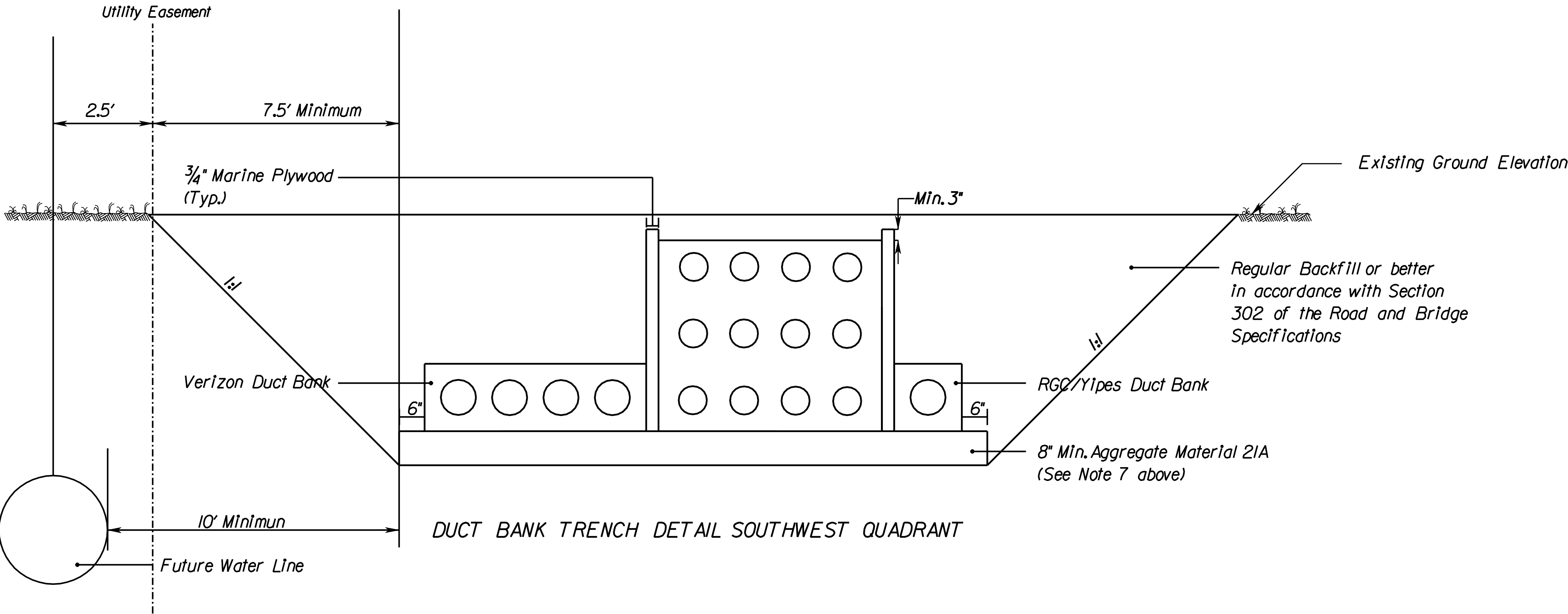


TYPICAL CROSS SECTIONS (N.T.S)

LEVEL 3 CONCRETE ENCASED PVC CONDUIT

NOTES:

1. NUMBER 4 REBAR TOP AND BOTTOM IS REQUIRED FOR ENTIRE PROJECT.
2. REBAR ON SIDES IS REQUIRED UNDER PROPOSED ROADS ONLY.
3. REBAR IS TO BE A MINIMUM OF 1/2" FROM THE SURFACE OF THE CONCRETE.
4. TYPICAL 4 INCH PVC SCHEDULE 40 CONCRETE ENCASED DUCT BANK NUMBER OF CONDUITS WILL VARY DEPENDING ON DUCT BANK REQUIREMENTS.
5. AFTER INSTALLATION, ALL DUCT MUST BE THOROUGHLY CLEANED TO ENSURE THAT ALL SMALL PEBBLES, SAND OR OTHER FOREIGN MATERIAL ARE REMOVED BEFORE CABLE INSTALLED. ALL CONDUITS ARE THEN TO CONTAIN "POLYOLEFIN" 1000 POUND STRESS PULL LINES, TO ACCOMMODATE THE PULLING CABLE.
6. ALL CONCRETE ENCASEMENT TO BE CLASS A3.
7. SUBSTITUTE NO. 57 STONE FOR AGGREGATE MATERIAL 21A IF STANDING OR RUNNING WATER IS PRESENT WHEN UTILITY TRENCH IS EXCAVATED AT NO ADDITIONAL COST TO THE DEPARTMENT. THE DEPTH OF EXCAVATION MAY NEED TO BE INCREASED WHERE SHOWN ON THE PLANS IN ORDER TO REMOVE UNSUITABLE MATERIAL. UNSUITABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF OFFSITE AND REPLACED WITH AGGREGATE NUMBER 57 STONE, THE COST OF WHICH IS INCIDENTAL TO COMMUNICATION DUCT BANK.



UTILITY RELOCATION PLAN
COMMUNICATION DUCT BANK DETAILS

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
			20(2)